# Technical Data Sheet

## InVivoMAb anti-mouse CD209b (SIGN-R1)

**Attention: Use of this product constitutes an agreement to Bio X Cell's Terms and Conditions which are included with this product in print and can also be found at https://bioxcell.com/terms-and-conditions.**

## Lot Specific Information

**Lot Number:** **Lot Specific***
**Volume:** **Lot Specific***
**Concentration:** **Lot Specific* (generally 4 to 11 mg/ml) ***
**Total Protein:** **Lot Specific***

*This information will be noted on the certificate of analysis that ships with this product.

## Product Information

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|---|---|
| **Catalog Number:** | **BE0220** |
| **Clone:** | **22D1** |
| **Isotype:** | Armenian Hamster IgG, κ |
| **Recommended Isotype Control(s):** | InVivoMAb polyclonal Armenian hamster IgG |
| **Recommended Dilution Buffer:** | InVivoPure pH 7.0 Dilution Buffer |
| **Immunogen:** | C-terminal peptide of mouse SIGN-R1 |
| **Reported Applications:** | *in vivo* SIGN-R1 blockade<br>Immunohistochemistry (frozen)<br>Western blot<br>Flow cytometry |
| **Formulation:** | PBS, pH 7.0<br>Contains no stabilizers or preservatives |
| **Endotoxin:** | ≤1EU/mg (≤0.001EU/µg)<br>Determined by LAL gel clotting assay |
| **Purity:** | ≥95%<br>Determined by SDS-PAGE |
| **Sterility:** | 0.2 µm filtered |
| **Production:** | Purified from cell culture supernatant in an animal-free facility |
| **Purification:** | Protein G |
| **RRID:** | AB_2687704 |
| **Molecular Weight:** | 150 kDa |

## Description

The 22D1 monoclonal antibody reacts with mouse CD209b also known as SIGN-R1. CD209b is a 37 kDa type II transmembrane C-type lectin receptor. CD209b is expressed on the surface of splenic marginal zone and lymph node medullary macrophages and is commonly used as a marker for these cells. The CD209b protein is involved in the innate immune response, it binds to and initiates uptake of various microorganisms by recognizing high-mannose-containing glycoproteins on their envelopes. The 22D1 antibody has been reported to block CD209b in vivo.

## Storage

Store at the stock concentration at 4°C . **Do not freeze.**
It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ's at https://bioxcell.com/faqs.

## Protocol Information

Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration

experiment.

## Application References

For a complete list of references, visit https://bioxcell.com/be0220?bxcs=9k1b3a#tab_references or scan the QR code below.

**Bio X Cell, LLC**
https://bioxcell.com
+1-866-787-3444
customerservice@bioxcell.com

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